

Use, Care and Installation Guide

Read all Instructions before Installing and operating this appliance

Important Safety Notice

MODEL: AK2000, AK6000, AK9800

READ AND SAVE THESE INSTRUCTIONS

WARNING

TO REDUCE THE RISK OF FIRE OR ELECTRIC SHOCK, DO NOT USE THIS FAN WITH ANY SOLID-STATE CONTROL DEVICE.

WARNING

TO REDUCE THE RISK OF FIRE ELECTRIC SHOCK, OR INJURY TO PERSONS, OBSERVE THE FOLLOWING:

- a. Use this unit only in the manner intended by the manufacturer, if you have questions, contact the manufacturer.
- b. Before servicing or cleaning unit, switch power off at service panel and lock panel to prevent power from being switched on accidentally. When the service disconnecting means cannot be locked, securely fasten a prominent warning device, such as a tag, to the service panel.

CAUTION

For general ventilating use only. Do not use to exhaust hazardous or explosive materials and vapors. Take care when using cleaning agents or detergents.
Suitable for use in household cooking area.

WARNING

TO REDUCE THE RISK OF RANGE TOP GREASE FIRE:

- a. Never leave surface units unattended at high settings. Boilovers cause smoking and greasy spillovers that may ignite. Heat oils slowly on low or medium settings.
- b. Always turn hood ON when cooking at high heat or when flaming food
- c. Clean ventilating fans frequently. Grease should not be allowed to accumulate on fan or filter.
- d. Use proper pan size. Always use cookware appropriate for the size of the surface element.
- e. Keep fan, filters and grease laden surfaces clean.
- f. Use high setting on hood only when necessary.
- g. Don't leave hood unattended when cooking.
- h. Always use cookware and utensils appropriate for the type of and amount of food being prepared.

WARNING

TO REDUCE THE RISK OF INJURY TO PERSONS IN THE EVENT OF A RANGE TOP FIRE, OBSERVE THE FOLLOWING:

- a. SMOTHER FLAMES with a close-fitting lid, cookie sheet, or metal tray, then turn off the burner. BE CAREFUL TO PREVENT BURNS. If the flames do not go out immediately, EVACUATE AND CALL THE FIRE DEPARTMENT.
- b. NEVER PICK UP A FLAMING PAN – You may be burned.
- c. DO NOT USE WATER, including wet dishcloths or towels – a violent steam explosion will result.

Important Safety Notice

Read and save these instructions

MODEL: AK2000,AK6000,AK9800

d. Use an extinguisher **ONLY** if:

1. You know you have a Class ABC extinguisher, and you already know how to operate it.
2. The fire is small and contained in the area where it started.
3. The fire department is being called.
4. You can fight the fire with your back to an exit

WARNING

TO REDUCE THE RISK OF FIRE, ELECTRIC SHOCK OR INJURY TO PERSONS, OBSERVE THE FOLLOWING:

- a. Installation work and electrical wiring must be done by qualified person (s) in accordance with all applicable codes and standards. Including fire-rated construction.
- b. Sufficient air is needed for power combustion and exhausting of gases through the flue (chimney) of fuel burning equipment to prevent back drafting. Follow the heating equipment manufacturer's guideline and safety standards such as those published by the National Fire Protection Association (NFPA) and the American Society for Heating, Refrigeration and Air Conditioning Engineers (ASHRAE) and the local code authorities.
- c. When cutting or drilling into wall or ceiling, do not damage electrical wiring and other hidden utilities.
- d. Ducted fans must always vent to the outdoors.
- e. If this unit is to be installed over a tub or shower, it must be marked as appropriate for the application and be connected to a GFCL (Ground Fault Interrupter protected branch circuit).
- g. NEVER place a switch where it can be reached from a tub or shower.
- h. Make sure the power is off before installing, wiring or maintaining.

WARNING

TO REDUCE THE RISK OF FIRE, USE ONLY METAL DUCTWORK.

CAUTION

To reduce risk of fire and to properly exhaust air outside - Do not vent exhaust air into spaces within walls, ceilings, attics, crawl spaces or garages.

WARNING

TO REDUCE THE RISK OF SHOCK, THIS FAN MUST BE INSTALLED WITH AN ISOLATING WALL CONTROL/SWITCH.

OPERATION

Always leave safety grills and filters in place. Without these components, operating blowers could catch onto hair, fingers and loose clothing.

***NOTE:** Please check www.zephyronline.com for revisions before doing any custom work.

HURRICANE SERIES



Model number: AK2000, 2036

QuattroVent Air Curtain
Dual "Thrust-For" Self Clean Blowers
Digital Touch Pad Controls
Clock, Timer, 3 stage Delay Shutoff.

CYCLONE SERIES



Model number: AK6000, 6036, 6042, 6048

Dual "Thrust-For" Self Clean Blowers
Independent Rocker Controls w/ High, Low speed
3 Way convertible ducting option

WHIRLWIND SERIES

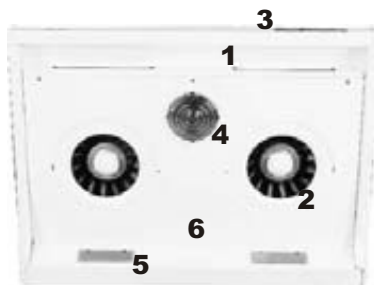


Model number: AK9800

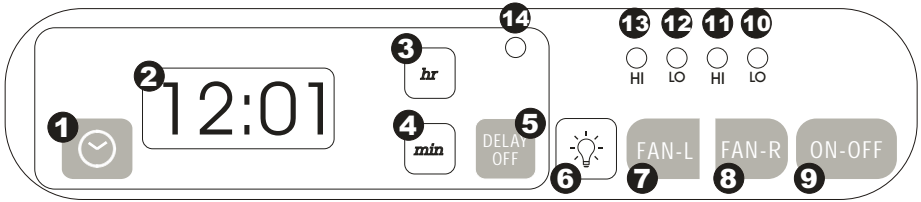
Dual Self Clean Blowers
Independent Rocker Controls w/ High, Low speed
Slim Line Design

Overview

- | | |
|----|---|
| 1. | QuattroVent Air Curtain
(Hurricane only) |
| 2. | Self Clean Blowers |
| 3. | Controls |
| 4. | Light |
| 5. | Residue Cup |
| 6. | Underside splash guard |



HURRICANE SERIES



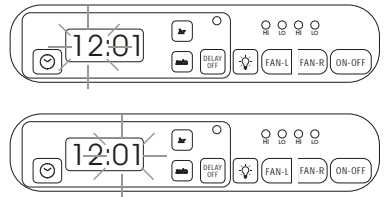
Controls Overview

1.	Set Time	8.	Right Blower: On-High-Low-Off
2.	Digital Display	9.	Operations: On-Off
3.	Set Hours	10.	Right Blower Low Speed Indicator
4.	Set Minutes	11.	Right Blower High Speed Indicator
5.	Set Timed Delay Shut Off	12.	Left Blower Low Speed Indicator
6.	Light On-Off	13.	Left Blower High Speed Indicator
7.	Left Blower: On-High-Low-Off	14.	Delay Off Indicator

Setting Clock

Press **"clock"**.
 Hour Indicator will flash indicating clock setting function is ready.
 Press **"hr"** to set hours (from 1-12).
 Press **"min"** to set minutes (from 00-59).

press:



Let clock flash for 7 seconds and your new time input will automatically be stored.

Light On-Off

Press **"light"** button once to turn light on.
 Press again to turn off.

press:



to turn light On/Off

Blower Controls

You can simultaneously turn On the light and both blowers on Hi speed by simply pressing "On/Off" once.

press:



to turn light and both blowers on Hi

During this time, you can select blowers and speed as indicated by pressing the "Fan-L" and "Fan-R" button.



or turn individual blowers On/Off and select Hi/Lo speed

Note:

The third press on the "Fan-L" and "Fan-R" button will turn blower Off the selected side (as indicator light turns off).

You can also turn individual blowers On/Off and select speed by simply pressing the desired "Fan-L" or "Fan-R" button.



press again to turn all operations Off

Press "On/Off" again and all operations will stop.

Timed Delay Off

While blowers are in operation, pressing "Delay Off" button once will set the unit to turn off in 3 minutes. Press again for the preset 5 minutes countdown and third press for 10 minutes.

press:

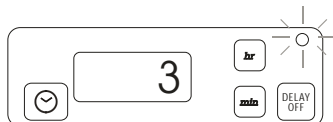


*once- countdown in 3 minutes
twice- in 5 minutes
3rd time- in 10 minutes*

Light will turn off when pressed and blowers will decelerate to Lo speed.

Once a desired time is selected, countdown will start as the delay off indicator light flashes. All operation will cease as the countdown reaches zero.

indicator:



Note: At any time when the delay function is selected, the light will turn off automatically and all blower will decelerate to Lo speed.

Setting Timer (Alarm)

Press "hr" and "min" button to set desired timer countdown.

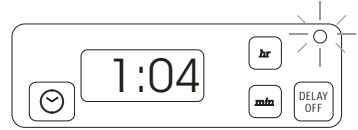
Once timer is set, countdown will start in 7 seconds as delay indicator light flashes.

When countdown reaches 0, 10 short beeps will sound.

To cancel timer after setting, press "On/Off" button to terminate all operations and restart.

Note: Timer function cannot be operated simultaneously with the "Delay Off" function. Nevertheless, setting the timer function will not effect any other operations.

press:



set "hr" & "min" for timer countdown alarm will sound at end of timer

CYCLONE & WHIRLWIND

Rocker Controls

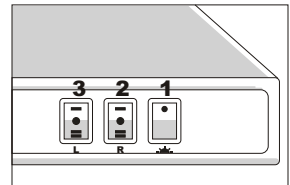
(1) Light- turns light On/Off

(2) (3) Blower Controls- Independently controls Right and Left blowers. Rock switch up (I) for Lo speed, (II) for Hi speed, and center (.) to turn off.

(1) Light On/Off

(2) Right Blower
(Hi/Lo, Off)

(3) Left Blower
(Hi/Lo, Off)



Self Clean Feature

All Zephyr Range Hoods are filter-less and are designed with a self clean feature. The centrifugal blower system automatically liquefies grease accumulated in its internal housing. All systems are equipped with dishwasher safe grease containers for its self clean function.

Grease and residue from cooking are often automatically liquefied and can accumulate in the containers from everyday use. Nevertheless, grease from cooking could also dry and adhered in its internal housing. Running the self clean function periodically will flush out the accumulated grease in the range hood's internal housing.

Cleaning Frequency

Cleaning should be approximately once a month under normal use.

Detergent

Grease cutting detergent such as '409' or its equivalent are recommended.

Cleaning

Safety Grill

Remove both safety grills for cleaning by simply loosening Phillips screws. Clean safety grills in dishwasher under normal wash cycle.

WARNING: Use with extreme caution as both safety grills are removed. Beware of blowers catching on to hair, loose clothing, and fingers. NEVER leave children unattended.



Self Clean

Turn both blowers on Low speed for cleaning.

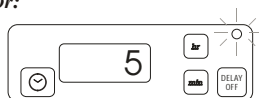
For Hurricane series, simply set Timed Delay Off to 5 minutes as indicated.

press:



twice- countdown in 5 minutes

indicator:



With nozzle on 'spray', squirt '409' detergent directly onto blower blades 30-35 times.

Repeat with second blower. Allow self cleaning to run for 5 minutes before switching off. *(If desired, spray water to rinse off detergent after completion of the cleaning cycle and run for another few minutes)*



Remove residue containers by gently sliding out with both hands. Clean in dishwasher under normal wash cycle.



Hurricane Series:

Remove light shield by turning counter-clockwise.

Clean in dishwasher under normal wash cycle.



Whirlwind Series:

Remove light shield by unscrewing Philips screw.

Clean in dishwasher under normal wash cycle.



Cleaning Tip:

Fill residue containers $\frac{1}{4}$ full with water before cleaning or during regular use. This will help to prevent grease from drying and tacking on cup surface.

Warning:

Edges on stainless steel surface are exposed once shield is removed. Clean around edges with extreme care and we recommend the use of latex cleaning gloves.

QuattroVent Channels

The QuattroVent Air-Curtain channels are adjoined to its two main blowers and share the same internal housing. No further cleaning is required after the self clean is completed.

Clean residue around the channels surface with '409' and a cotton cloth regularly.

**Surface Maintenance**

Clean all surface residue with '409' or mild detergent and wipe with a cotton cloth. Stainless steel surface could further be polished with any stainless steel polish or glass cleaners.

Replacing Lights

All light bulbs included are 40W appliance bulb. Replace with 60W bulbs if brighter illumination are desired. Remove light shield according to instructions on page 6.

Warning: Edges on stainless steel surface are exposed once shield is removed. Replace bulb through opening with extreme care. We recommend wearing of latex gloves.

WARNING

Installation of this product is intended for qualified installers, service technicians, or persons with similar qualified background. **DO NOT** attempt to install this appliance yourself. Injury could result from installing the unit due to lack of appropriate electrical knowledge and technical background. Improper installation, adjustment, alteration, service or maintenance can cause injury or property damage and the warranty on the product automatically becomes void.

Installation of this product must conform with all local codes. All connections must be electrically grounded and ducting must be properly vented outside in accordance to codes. Never duct exhaust into attics, within walls, crawlspaces, garages, or anywhere inside the house which might cause grease fire. All duct joints must be properly inspected, taped and sealed.

Edges are exposed around the duct opening and once the bottom grease shield is removed. Be careful when handling the sharp edges. Wearing protective gloves and appropriate work clothing is recommended.

REQUIREMENTS

Duct Size

Hurricane- 6" Vertical Duct Discharge
Whirlwind- 6" Vertical Duct Discharge
Cyclone- 6" Vertical Duct Discharge
3-1/4 x 10" Vertical Duct Discharge
3-1/4 x 10" Horizontal Rear Discharge

Tools

Hand Drill with #2 philips
Flat head screwdriver to pry electrical knockout
3/4" Wood Boring Bit
Jigsaw (<i>if cabinet opening modification is required</i>)

Power Source

115W

ACCESSORIES

Hurricane & Whirlwind series

2	residue cups
2	'L' brackets (for direct wall mount only)
4	screws for 'L' brackets
1	6" starting collar
3	electrical wire connectors & screws

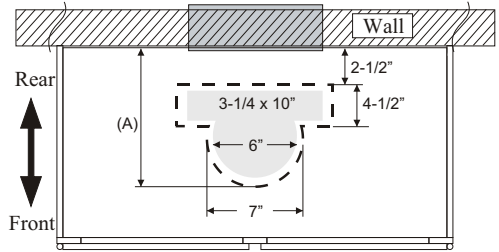
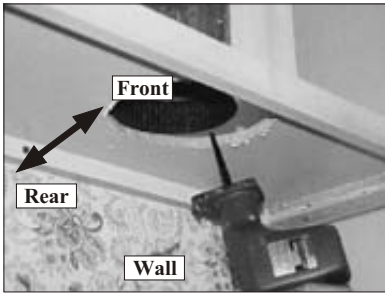
Cyclone series

2	residue cups
2	'L' brackets (for direct wall mount only)
4	screws for 'L' brackets

1	6" starting collar
3	electrical wire connectors & screws
1	Convertible transition collar
1	6" collar cap
1	3-1/4 x 10" starting collar (packaged separately)
1	Back-splash

Check all accessories before installation, packaging also includes 1) Care, Maintenance and installation manual 2) Owner's Warranty Registration Card 3) Serial number label adhered on top of box.

DUCT OPENING

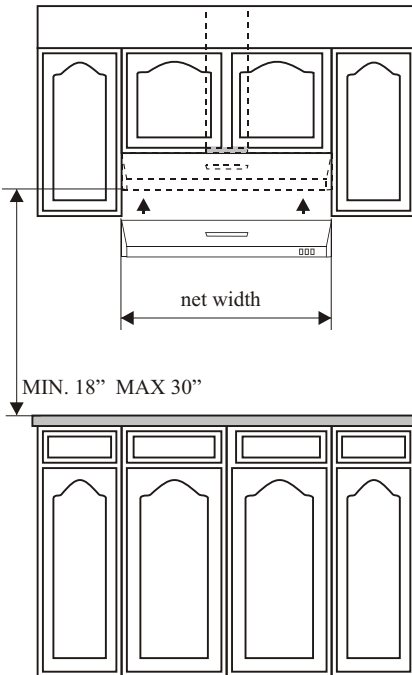
**Cut Out Size (A):**

Hurricane 10-1/2"

Cyclone 10-1/2"

Whirlwind 8-1/2"

CLEARANCES



Minimum clearance above range should be no less than 18" from the range surface to the range hood's base. Maximum height are recommended not to exceed 30" for maximum efficiency.

Net width on all models are call out width less 1/4".

Call Out Size Net Width

30" 29-3/4"

36" 35-3/4"

42" 41-3/4"

48" 47-3/4"

Note: Refer Manufacturers' height clearance requirements on all high btu and professional ranges.

STEP 1



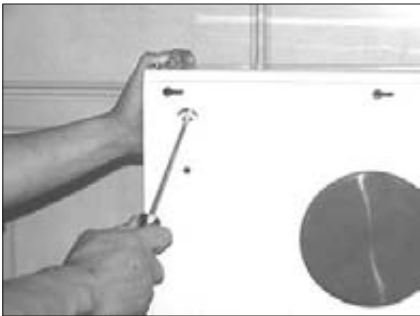
1. Remove all contents from box
2. Unscrew and remove bottom grease splash shield

STEP 2



1. Locate electrical connection box inside
2. Unscrew cover to reveal wiring

STEP 3



1. Locate electrical connection box knock out from left rear of hood and pry open with screwdriver

STEP 4



1. Cut out cabinet base opening if necessary. Refer cut out dimensions previous page.

STEP 5



1. Reinforce cabinet base with 1x2 wood strips if additional strengthening is required.
2. Unscrew and remove bottom grease splash shield

STEP 6 (also refer notes on pg. 16)



1. Install damper if required by local codes (not provided), or install 6" starting collar (green)**

STEP 7



1. Lift hood to bottom of cabinet

STEP 8



1. Support hood to place, fasten both rear with screws and washers provided.

STEP 9 (also refer notes on pg. 16)



1. Fasten front of hood. Level all sides and adjust accordingly.**

STEP 10



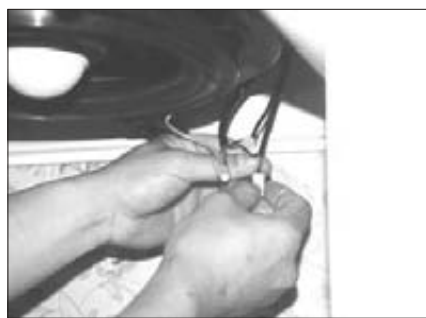
1. Drill out cabinet base through electrical box with 3/4" boring bit.

STEP 11



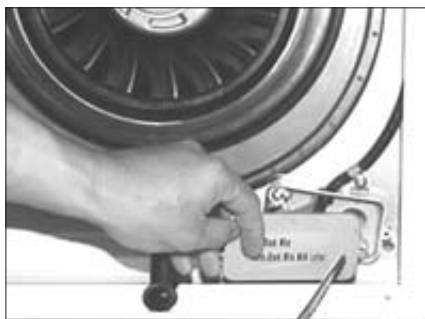
1. Pull electrical supply wire through drill out or use #14 grounded wire for receptacles (not supplied)

STEP 12 (also refer notes pg. 16)



1. Connect both wires (blk) on hood to either power supply (blk or wht). Ground green wire.**

STEP 13



1. Reinstall electrical box cover.

STEP 14



1. Reinstall bottom splash shield by first fastening 3 rear screws, (do not tighten all the way).

STEP 15



1. Next, fasten the 3 front screws and begin tightening all screws from rear to front.

STEP 16



1. Connect duct to opening, inspect and tape all joints with approved aluminum or duct tape.

STEP 17



1. Turn on electrical supply or plug into receptacles.

STEP 18



1. On Cyclone & Whirlwind models, be sure to pull both grease tubes over its opening.

CONVERTIBLE OPTIONS

Cyclone series: AK6000, 6036, 6042, 6048

Zephyr's Cyclone series are equipped with the option of a 6" vertical discharge, 3-1/4x10" vertical discharge, or 3-1/4x10" rear discharge. Additional accessories are provided to convert to either of the above discharge methods.

Convertible Options

Vertical discharge	6" round
Vertical discharge	3-1/4 x 10"
Horizontal rear discharge	3-1/4 x 10"

Convertible Accessories

6" round duct cap
Round to rectangular transition adaptor
Rectangular to round transition adaptor (pre-mounted)
Gasket (pre-mounted)
Rectangular rear cap (pre-mounted)
3-1/4 x 10" starting collar

Back Splash

Cyclone models also come with a standard back splash. If desired, install back splash to rear of range hood with screws provided after all duct conversion steps below are completed.

3-1/4 x 10" Vertical Discharge



1. Remove pre-mounted 6" transition adaptor on duct opening. Leave attached gasket in its original place.



2. Place rectangular transition adaptor as shown over gasket and by first installing 4 screws on half round section.



3. Mount the 3-1/4 x 10" starting collar on top of transition piece with remaining screws.

3-1/4 x 10" Rear Discharge



4. At rear of range hood, remove all screws on pre-mounted rear rectangular cap and remove cap with gasket.



5. Remove top pre-mounted transition piece. Leave attached gasket in its original place.



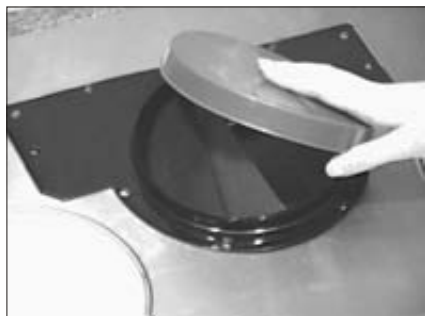
6. Remove 2 arch blocks through top opening.



7. Mount Starting Collar (provided) at rear discharge opening with gasket previously removed.



Option 1: (for recessed cabinet base)
Re-install originally pre-mounted round transition piece at opening with gasket.



Cap opening with 6" cap provided OR, use option 2 if cabinet base is not recessed.

3-1/4 x 10" Rear Discharge**Option 2: (for flush cabinet base)**

Mount rectangular transition piece at opening with gasket as shown.



Mount rectangular cap (previously removed) on top of transition adaptor.

INSTALLATION NOTES

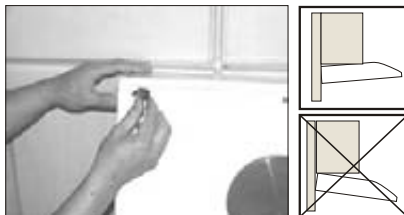
Step 6:

A damper (not included) should be installed to prevent back-draft where needed. A damper might also be required local codes in order to qualify for building inspections. You can purchase dampers from most hardware stores, or call our service line to order.

When a damper is not installed, a starting collar is provided in order to increase and raise the duct opening clearance above the cabinet's base. Snap the adaptor's smaller end to hood's duct opening and secure by drilling 2 pilot holes and fasten with screws (as shown on step 6, page 10).

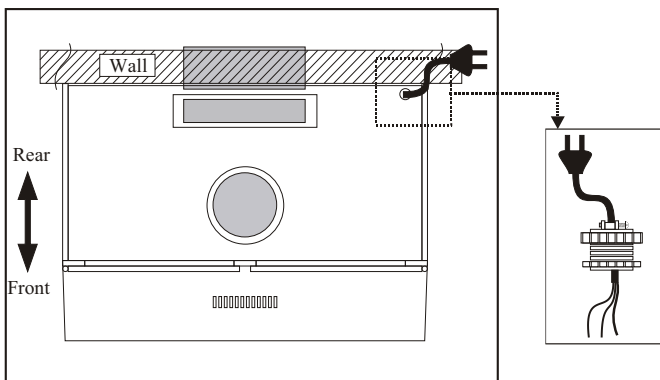
Step 9:

The hood should NEVER be installed so that the front is tilting downward. This will cause grease to back flow to the front instead of the rear. ALWAYS level the hood or slightly tilt front of hood upward. Some models includes 2 pre-installed bumpers on the rear (or top) to aid the hood front tilt upward when installed. Remove the bumpers simply by peeling off if hood is preferred to be installed leveled. (refer diagram)



Step 12:

A connector locking the electrical wiring on the electrical box is recommended and might be required by local codes. Check with local inspectors, purchase and install the appropriate connector in order to meet all mandatory codes. Call our service line to order connector.



- | | | |
|-----|--|--|
| 1. | Upon completion of installation, nothing works. | Check if unit has been plugged in, make sure that all power has been turned back on and all electrical wiring are properly connected. |
| 2. | Light is on but blowers are not turning at all or seems to be scraping on something. | Blower blade unit might have been mounted too low and scraping the bottom or jammed. Loosen hex screw on blade unit and adjust to proper height. |
| 3. | When blowers are on, something seems to be loose and spinning around inside. | There might have been foreign particles left within the discharge opening or rocks, leaves, branches, etc. that might have fell in from old duct work. Disconnect duct work to inspect and remove any foreign particles. |
| 4. | Vibration when blowers are on | Unit might not have been secured properly on cabinet. Or cabinet might need to be further secured into studs on wall. |
| 5. | Blowers noise | Our blowers are designed to perform up to 695 cfm. A properly functioning motor itself should be relatively quiet. Nevertheless, due to vacuum created by the suction, noise level up to 5.5 sones will be generated when both blower unit is turned on at its maximum speed. Employ both blowers at maximum speed only when needed (heavy pan frying, wok cooking etc.) Employing low speeds or a single blower will suffice moderate cooking such as steaming, broiling etc. |
| 6. | Light is not working | Light bulb might need to be replaced. On some instances, the fragile bulb could have been damaged during the shipping process. Simply replace with a 40 or 60W appliance bulb. |
| 7. | No grease is collected in the residue containers | Grease flow will vary by the amount, methods and types of cooking. If pan-frying is frequent accompanied by steaming, vapor from steam will liquefy accumulated grease in its internal housing and flows in the containers. No grease collected in the residue containers is normal until the self clean function is completed. Clean blowers approximately once a month as instructed to avoid clogging. |
| 8. | No grease is collected in the residue containers after self cleaning. | Tubes connected to the internal housing might have been clogged due to lack of cleaning. Or hood might not have been leveled when installed. Unclog tubes or re-install hood (refer page 16). |
| 9. | Safety grill are dirty | The self clean feature cleans only the internal housing within the range hood. Remove safety grill to clean in dishwasher and clean all surface periodically as instructed. |
| 10. | Blowers seemed weak | Check duct size used, duct size should be at least 6" or 3-1/4 x 10". Range hood WILL NOT function properly with the insufficient duct size.
Check if duct is clogged or if damper unit is not opening properly. A tight mesh on a side wall cap unit might also cause restriction to the air flow. |

11. Cooking fumes and smoke dissipates before it reaches the blower.

Use a damper type sidewall cap.
Reduce the number of elbows and length of duct work.
Check if all joints are properly connected, sealed and taped.

Check if unit is installed at the recommended height (page 9). The range hood should also be able to cover the entire cooking area from left to right and most areas from rear to front.

Open doors and windows might also distract air flow before it reaches the blowers.

Make sure blowers are on high speed for heavy cooking.

For other questions and further assistance please call our service department with the product's registered serial number or write to:

ZEPHYR CORPORATION
Service Department

1.888.880.VENT (8368) 415.282.1211
1551 Minnesota St., San Francisco, CA 94107

TO OBTAIN SERVICE UNDER WARRANTY
or any Service Related Questions, please call:
1-888-880-8368

Staple your receipt here.
Proof of the original purchase
date is needed to obtain service
under the warranty.

TO OBTAIN SERVICE UNDER WARRANTY: You must present proof of original purchase date.
Please keep a copy of your dated proof of purchase (sales slip) in order to obtain service under warranty.

One Year Service Repair Warranty:

For one year from date of original purchase, we will provide free of charge, service labor to repair any failed parts or components due to manufacturing defects.

Ten Years Parts Warranty:

For ten years from date of original purchase, we will provide free of charge, nonconsumable replacement parts or components that failed due to manufacturing defects. Consumable parts not covered by this warranty include: Light Bulbs, Metal and Charcoal Filters.

Who is Covered:

This warranty is extended to the original purchaser for products purchased for ordinary home use in the 48 mainland states, Hawaii and Washington D.C. In Canada and Alaska, this warranty is Limited. There might be costs associated with shipping the products to our designated service locations or you might need to pay service technician's travel costs, to have the appliance repaired in-home.

This Warranty will be Voided when:

Product damaged through negligence, misuse, abuse, accident. Improper installation and failure to follow installation instructions. When product is used commercially or other than its intended purpose. Damaged because of improper connection with equipment of other manufacturers. Repaired or modified by anyone other than Zephyr's Authorized Agents.

What is Not Covered:

Consumable parts such as light bulbs, filters, and fuses. Services outside of service area and the labor cost incurred in connection with the removal, shipping and reinstallation cost, nor does it cover any other contingent expenses. The natural wear of finish, and wear due to improper maintenance, use of corrosive and abrasive cleaning products, pads, and oven cleaner products. Chips, dents or cracks due to abuse, misuse, freight damage, or improper installation. Service trips to your home to teach you how to use the product. Damage of product caused by accident, fire, floods or act of God.

This warranty is valid in the United States and Canada. It is non-transferable and applies only to the original purchaser and does not extend to subsequent owners of this product. Any applicable implied warranties, including the warranty of merchantability, are limited in duration to a period of express warranty as provided herein beginning with the date of original purchase at retail and, no warranties, whether express or implied, shall apply to this product thereafter.

Have your product proof of purchase with date ready for warranty issues.
Or write to:

Zephyr Corporation
Service and Warranty Department
395 Mendell Street
San Francisco, CA 94124